

# CROSSTALK

## News Bulletin of the TRW Amateur Radio Club

### Member, American Radio Relay League

JULY 1986

\*\* FD'71 \*\* FD'73 \*\* FD'75 \*\* FD'76 \*\* WAS \*\* WAC \*\*

Garrett/W6TRW Repeater: 145.32/- .600(2A-PL) -- UHF: 442.000in/447.000out

\*\*\*\*\*

#### CALENDAR FOR JULY AND AUGUST

Wednesday	Each Wednesday, noon	Emergency Communications Team Check-in. 145.32 via repeater and simplex.
Friday	Each Friday, 7-8am	Club Breakfast, S Cafeteria, VERY informal, good breakfast for less than \$2.00!!
Saturday	July 26, 8-11am	Swapmeet. Swapmeet returns to <u>LAST</u> Saturday of the month. Northwest corner of Aviation and Marine behind the Standard station.
Tuesday	July 29, noon	Club Meeting, R4/1041. Speaker will be Bob Poole, AJ6F. Come and listen to what is happening in the ARRL Los Angeles Section from the Section Manager himself!
Tuesday	Aug 12, after work	Executive Board Meeting. All members are welcome! At Shakey's Manhattan Beach, 2000 N. Sepulveda Blvd., just south of Marine Ave.
Wednesday	Aug 15, noon	Club Picnic, El Nido Park, on 182nd west of Hawthorne. Bring your badge or ID card.
Tuesday	Aug 26, noon	Club Meeting, R4/1041.
Saturday	Aug 30, 8-11am	Swapmeet.

\*\*\*\*\*

#### ARRL National Convention

#### Bill Dews, K6AWO

Amateur Radio Operators will make San Diego their "Sun Spot" this year! Based on "Early Bird" registration tallies, it looks like the ARRL National Convention in San Diego this year will be the most popular since the record turnout there in 1978. Many hams are combining the event with an opportunity for a vacation in America's best spot for that - Southern California.

Theme of the convention is "Amateur Radio in Public Service." Art Smith, W6INI, San Diego ARRL Section Manager, will sponsor sessions on this most rewarding aspect of our hobby.

The convention site is the best facility of it's type in the "Finest City" - the spacious and comfortable Town & Country Hotel and Convention Center.

The full range of ham radio interests and activities will be featured, from W6CL's authentic spark gap transmitter to ham in space.

ARRL President Larry Price, W4RA, will be stage center at an International Breakfast, greeting fellow hams from outside our borders.

Roy Neal, K6DUE, 1986 "Ham of the Year", Master of Ceremonies, will introduce Speaker Astronaut Tony England, W0ORE, at our banquet. Tony will also lead a blue ribbon panel of ham experts at a gathering of hundreds of teenagers who are showing interest in our accumulating hobby.

Dee Crumpton, N6ELP, Editor and Publisher of the RTTY Journal, has set up "alternative activities" ranging from a romantic dinner dance cruise on San Diego Bay to Old Town and Tijuana tours. Find the registration form elsewhere in the Crosstalk and fill it out and join us in San Diego, September 5 - 7!!

Democracy is based upon the conviction that there are extraordinary possibilities in ordinary people.

Harry Emerson Fosdick

#### General Meeting 24 June 1986

#### Paul Lukas, N6DMV

President Chris Wachs, WA2KDL, opened the meeting. Details of the coming Field Day were discussed. The TRW/ARC BBS number is 316-9507, hit <CR> twice (300 to 1200 baud operation). For the latest OSCAR 10 info connect to NK6K-2 via packet on 145.360MHz. Station is located in Redondo Beach so distant station may need to digipeat through WB6YMH-2 on Palos Verdes. Membership Chairman Bill Dews, K6AWO, reported that the Club has 208 members. Vice President Scott Gilmartin, WD6BNR, introduced our guest speaker, Chuck Lobb, KN6H. Chuck needed no introduction, his titles being too many to list here (he is a Past President of the Hughes El Segundo ARC). Chuck gave a nice slide show on New Zealand where he and his YF vacationed last year. The scenery is fantastic and in some of the more remote areas people operate their radios (and their appliances!) under Field Day conditions, that is, using gasoline generators, there are no power lines! Thanks Chuck, it was interesting to see a country with 3 million people and 33 million sheep! The door prizes included: 2 ARRL 1986 Handbooks, 1 pair pliers, 2 calculators, 2 sets of 100 QSL cards. The meeting was adjourned at 1258 local time. 25 persons attended the meeting.



Sign in travel agency window: "Please go away."

TRW SEA • One Space Park • Redondo Beach, CA 90278 • Attn: Amateur Radio Club

## Field Day

Dale Jensen, K6ZTI

We had a very good Field Day this year. Good participation, lots of good food and plenty of excellent companionship. Field Day extended from Friday through Sunday, June 27th - 29th this year. Again we were located at the top end of Friendship Park located between San Pedro and Rancho Palos Verdes. We began set up at 2:00 pm Friday and started operating at 11:30 am Saturday morning. We quit at 12:30 am Sunday morning, began tear down and hauling the gear back to where it belonged.

The following persons participated:

Advance work: Paul Lukas N6DMV, coordinating with Marty, the Park Ranger as well as trying to arrange publicity.

Friday: Carl Kennedy WB6TDE, rented a 14 ft. box trailer and did most of the hauling chores. Paul Herbert KG6CR, towed the generators with his Blazer (we had two 30 kw units this year -- one for a operating unit and the other as a standby spare. Frank Cartier WA6RAY, and Carl Kennedy WB6TDE stayed overnight to guard the equipment. Bill Schreck KE6LB arranged for additional towers.

Saturday: Everyone pitched in to help with antenna setup.

Sunday: Thanks to all those who stayed to help tear down, haul, and put away.

Food:

Saturday Lunch: Kathy Wachs

Saturday Dinner: Sami Komatsu and Kathy Wachs

Sunday Breakfast: John Keller, N6JLS

Logging and Duping: Jim Cox, K7JAJ and Joe

Dietrich, WD6DBD

Operating:

40 M CW: Bob Hume KG6B, and Jeff Crawford K0ZR

559 x 2 = 1118 points

40 M SSB: Dave Cross, WB5VFK and Ollie Saunders, N6OS

20 M CW: Scott Gilmartin, WD6BNR and Glenn Webb, W6FP with John Keller N6JLS doing the logging chore.

20 M SSB: Carl Kennedy, WB6TDE, Herb Gleed, W6FQ and Scott Gilmartin, WD6BNR.

VHF/UHF: Chris Wachs WA2KDL, Darwin Salisbury, K6IGU

Packet: Jim Cox K7JAJ and Joe Dietrich, WD6DBD

Novice: Frank Cartier, Jr. KB6LSE

Dave Stockwell WA6ATK rotated around to all the stations providing relief for the operators.

Jim Cox K7JAJ sent a packet message to the ARRL Los Angeles Section Manager, Bob Poole, AJ6F. This was interesting because Bob had an automatic packet station that received and, using text, acknowledged packet messages automatically.

Correspondence:

A letter was written to the ARRL requesting Field Day materials. A letter was written to Ed Torres in Building 140 requesting the use of TRW equipment. A letter was written to Los Angeles County Parks and Recreation requesting the use of the park.

Expense Report:

Saturday Lunch: expense pending  
Saturday Dinner: \$20.00 + pending  
Sunday Breakfast: \$32.86  
Trailer Rental: \$60.00  
Gasoline: \$ 9.71  
Photos: \$ 8.38  
Tent for 40 ssb: \$ 4.00

Total \$ TBD

Budget: \$ 250.00

Here is a list of those who came up and helped operate, set up, tear down, or visited, but I can't remember what they did! Sorry about that!:

Ren Salcedo, KG6NH, Harry Klebs, WC6M, Bob Lacey, W6ODI, Steve Ng, N6IQA, John Orr, KX6Z, Ren Salcedo, KG6NH, Scott LaBue, N6AZY, Paul Weisz, K6YQ, Jim Wike, W6GPE, Steve O'Neil, N6CRR and Jim McWilliams, W6RTG.

Paul Wisiolek K1TKL got sick and couldn't attend.

Early returns on Field Day scores

BAND	CONTACTS	POINTS
40 CW	583	1166
40 SSB	TBD	TBD
20 CW	303	606
20 SSB	TBD	TBD
2 FM	81	81
2 SSB	53	53
2 PKT	33	66
220 FM	31	31
40 NOVICE	6	12
15 NOVICE	11	22
EMERGENCY POWER		100
IN PUBLIC EYE (PARK)		100
MSG TO SECT. MANAGER		100
USE OF PACKET		100

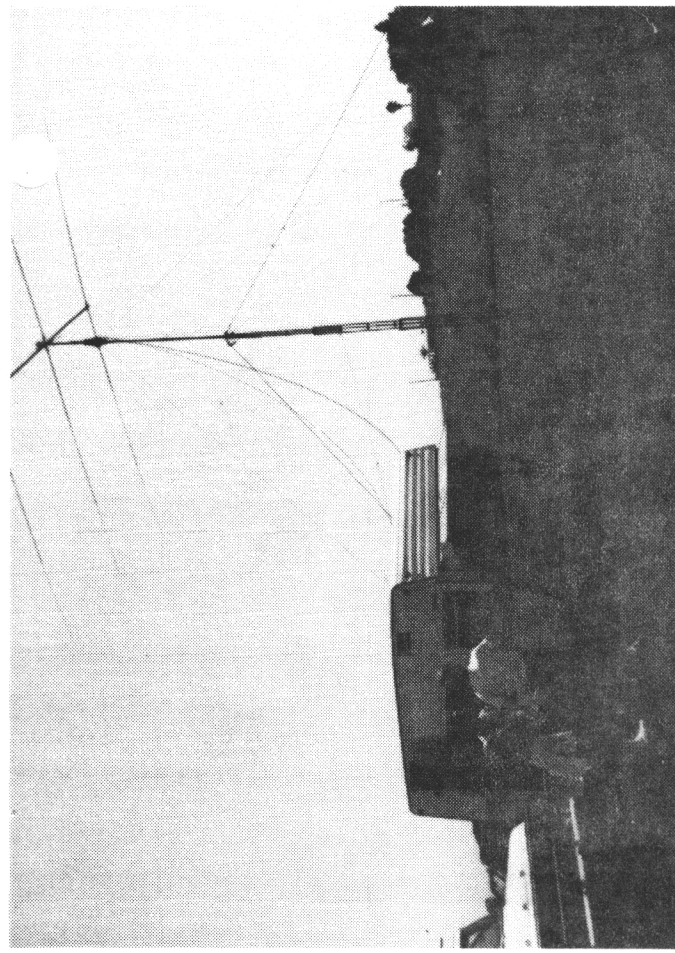
Some of the more interesting activities this year at our Field Day site of Friendship Park overlooking the Los Angeles Harbor (with a view all the way to Long Beach, the Queen Mary, and the dome covering the Spruce Goose) happened off of the airwaves. Paul KG6CR Herbert decided that he was not going to operate this year but would take charge of the generators to keep all the operators supplied with electricity. Little did we know that this was Paul's weekend to tear up the joint. The details get fuzzy as to what happened first but we do know that Paul, on the pretense of going to FILL Jim K7JAJ Cox's gas can, proceeded to flatten it as he drove over it on the way to the filling station. Later on Saturday Paul went to open the back of his truck and, in the process ripped the handle off of the door. Paul brought two lounge chairs with him to the Field Day site and left them there in the trash when he left on Sunday as both had been ruined. The details of how they were damaged are only whispered and this reporter was not able to get the full details. Paul also was able to knock the mirror off of his truck and Sunday had a flat tire. If this were not enough Paul also gave himself a bloody nose sometime Saturday. Jim K7JAJ Cox was operating "all bands" on Packet this year along with doing the computer logging and duping chores. On VHF Jim was having a "field day" with all ten possible users enabled on his TNC and still seeing a pile-up of attempts to connect. On the HF bands it was another story. There was so much CW activity that the TNC never saw a clear frequency and would never transmit! Joe and Jim had themselves up at the highest portion of the park and ran completely portable with their own generator. Operating from a tent on a typically stupendous California day (Just another beautiful day in paradise) both received an excellent dose of burning rays and were nice and red before the sun had a chance to set. The rest of the operators loved having them around later when the mosquitoes showed up, as they were the hottest bodies around and the bugs went for them.

Food was one of the great items this year. Saturday lunch and dinner and Sunday breakfast were covered this year. Deli type sandwiches with all of the accessories was the meal for Saturday lunch and it got there just in time as some of the operators were beginning to weaken at their positions. Saturday dinner was a magnificent feast that featured fried chicken, barbecued ribs, potatoe salad, fruit salad, macaroni salad and dessert. The entire W6TRW Field Day operation came to a grinding halt when dinner was announced, everyone having worked up a keen appetite. Kathy Wachs is to be thanked for putting together the fine Saturday lunch and working with Sammi Komatsu on the wonderful Saturday dinner. Sunday morning started out in a fog - quite literally. At 6:00 am a fog bank or low cloud settled over the Field Day site. Breakfast, cooked by John N6JLS Keller, consisted of buttermilk pancakes (made from scratch - not a mix) with all the butter and syrup you could want and John's favorite pork breakfast sausage. The smell of the sausage cooking got many of the more reluctant risers out of their beds.

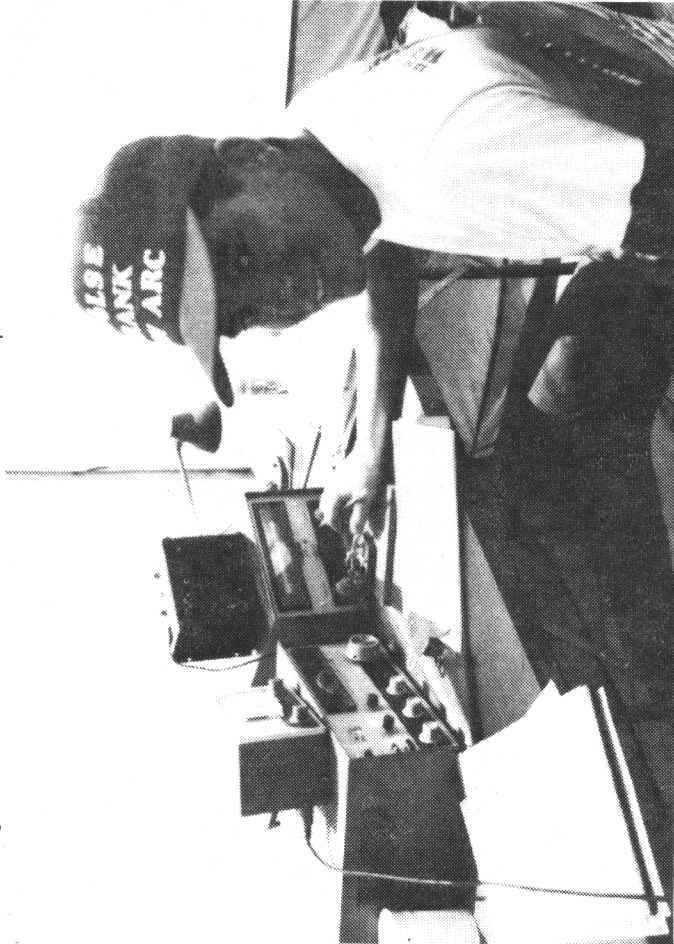
That's all for this year folks!



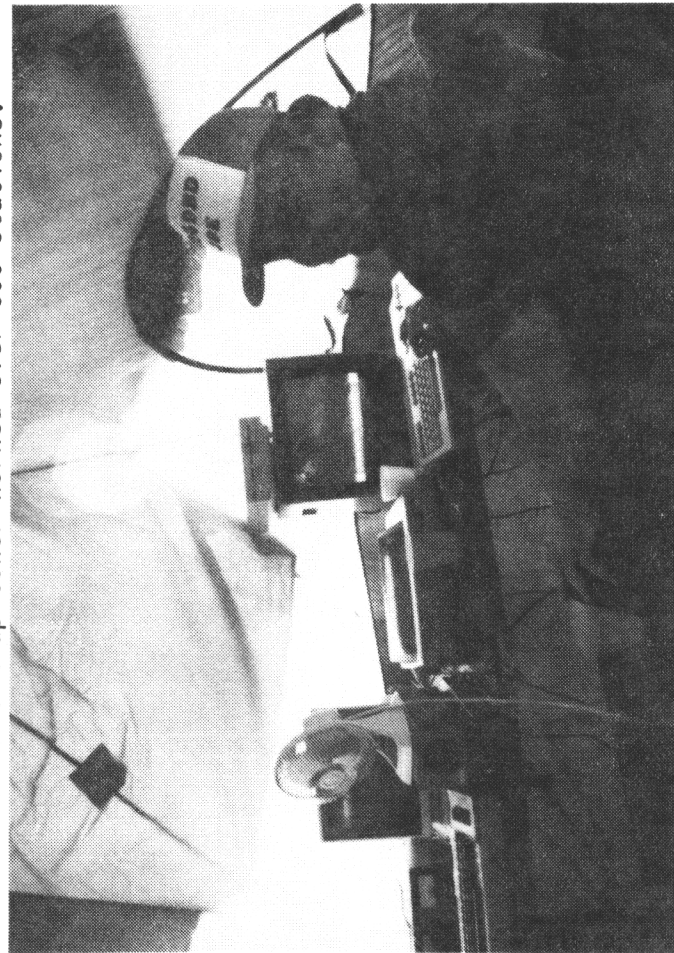
Paul KG6CR Herbert standing over one of his many conquests of the weekend, Jim K7JAJ Cox's brand new gas can. See the Field Day article for Paul's other conquests!



Looking west with San Pedro at our back, is the awesome 20 M SSB operation. Carl WB6TDE Kennedy's trailer with the Club 20 M beam and crank up tower worked over 600 stations.

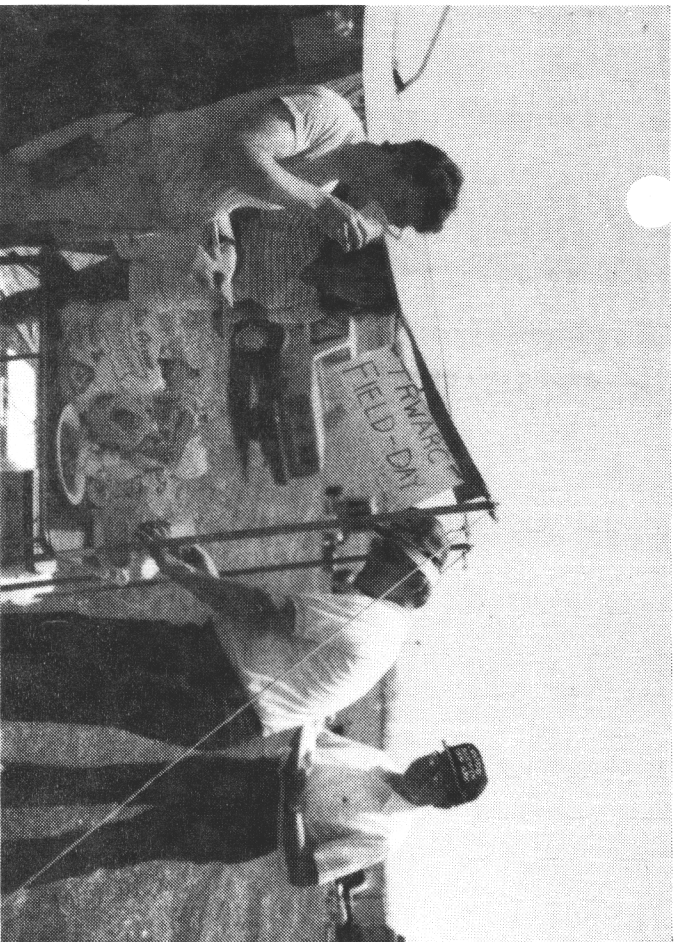


For the first time in many years W6TRW had a Novice station, operated by Frank KB6LSE Cartier Jr. Frank was in awe of some of the more seasoned CW operators working at 35 WPM.

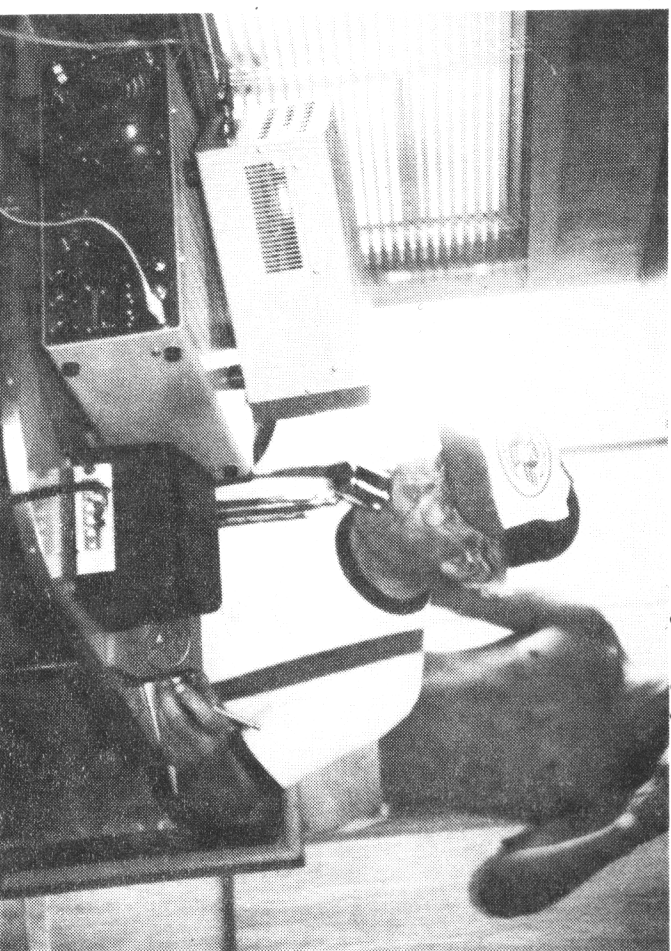


The Dupe -- That's Mr. Dupe to you -- Joe WD6DBD Dietrich sitting in front of 1 of 2 C128 computers. Logs were turned in for instant (15 minutes to save?) data entry at the site.

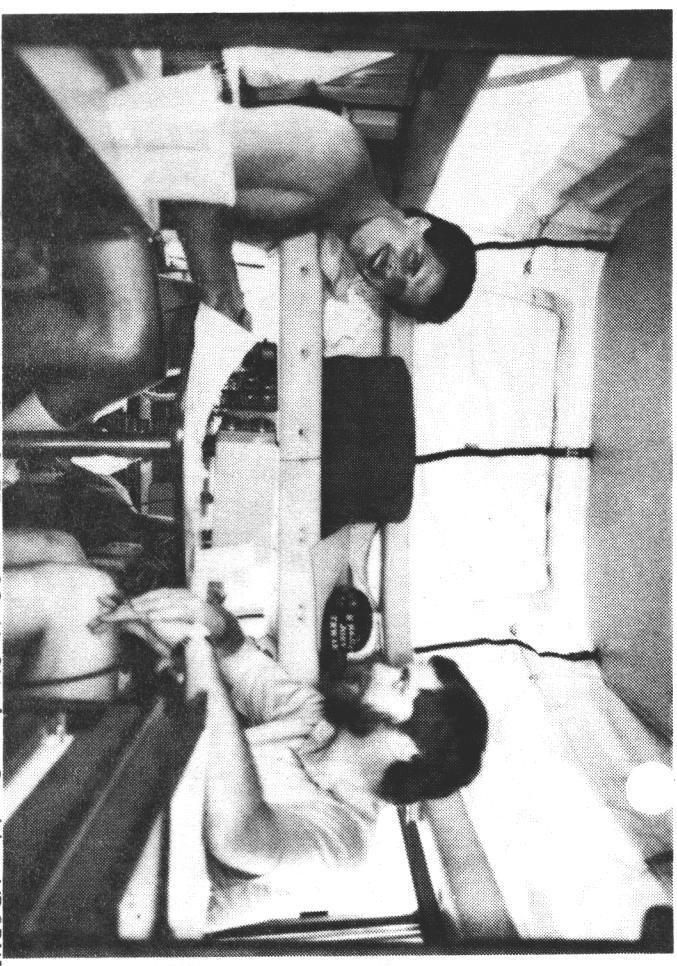




Food! One call that can make any seasoned operator stop in mid-QSO. Here Chris WA2KDL Wachs and YF Cathy with Paul KG6CR Herbert and Darwin K6IGU Salisbury enjoy Sat. lunch.



Carl WB6TDE Kennedy showing his best "eat the mike" 20 M SSB form. Carl was a real trooper this year getting the antenna ready weeks before and setting up on Friday afternoon.



Warming up for the start of FD on 20 M CW is Scott WD6BNR Gilmartin and John N6JLS Keller. Scott claims comfort is the key to good operation -- but Scott, wearing only socks!?!?



A familiar face at past Field Days, and welcomed back with open arms was Sammi Komatsu who with the help of Kathy Wachs prepared Sat Dinner. Also seen here; Mimi, N6JLS and WD6BNR.



## TRW/ARC Picnic

Unlike the previous two picnics, Mother Nature smiled upon the TRW/ARC and bestowed a warm and sunny day upon those attending the Club Picnic. That fact teamed up with some cool 807s can insure that a terrific picnic will occur and such was the case. A typically fantastic faire was presented by Activities Manager Jim Wike and his YF Luella. "Make it your way" ham or tuna salad sandwiches with all of the trimmings was the offering with chips and condiments to satisfy the most demanding connoisseur. Dessert was equally scrumptious fudge brownies, which Luella claimed were low in calories. Whether or not they were, they still disappeared!

Club members that were observed making one and sometimes two runs at the food table were; Herb Glead, Jeff, Sara, Laura and David Stewart, Dave Stockwell, Walt Pearson, Stan Johnson, Harry Klebs, Pat Dobbins, John Keller, Ren Salcedo, Jim McWilliams, Chris Wachs, Bill Dews, Jim Cox, and Rich Sauer. One other member was there but left before I could get his name.

Next Club Picnic will be on Friday, August 15th at the same place as all the rest of them, El Nido Park, on 182nd Street between Inglewood Avenue and Hawthorne Blvd. The August Picnic will be the next to last so be sure to show up and get your share of the free food and drink.

## Tidbits from the Jolly Little S....!

First and foremost, I HAVE MOVED. I didn't move that far but the walk between my old office and new office seems to be getting longer. I am now at R6/R554 and my extension is 50116. There is no secretary at my new location so you may have difficulty contacting me or leaving a message. Things should be getting better as we get more people in the bay and if worse comes to worse you can still leave a message at my old extension of 1303.

Field Day had it's ups and downs. On the down side, only 5 stations were on the air and we do not do well in category 5A. Category 6A or 7A is much easier to compete in as not that many clubs will put that many transmitters on the air. 5A is very crowded and there is a lot of competition. On the up side was the terrific meals that were served for lunch and dinner on Saturday and Sunday breakfast. No one went away hungry.

Is it me or are things quieter on the Club repeater? It seems that during the summer when there are many activities, things with the Club tend to slow down. Not many people showed up for Field Day and there is less activity on the repeater. Is it just the season or is the Club on the whole slowing down? Anyone have any ideas?

If you haven't looked at the roof of Bldg 65 recently, you may be pleasantly surprised to see a KT34XA attached to the top of the new Rohn tower. Coax and rotor cables are not connected but by the time you read this they may be. Be sure to read Bob Hume's article elsewhere in the newsletter.

The JAS-1 satellite is about to be launched. Latest information states that the launch is set for Sunday, August 3, 1986 at 1:30 pm local time. Chris Wachs hopes to feed the launch audio from HF to the repeater when it happens. Contact Chris for the latest info.

Oscar 10's problems have been diagnosed and it is back in limited operation and only for QRP. Apparently not all of the housekeeping functions are operating and one of them is monitoring temperature of the finals and adjusting output power so as not to cook the output. So, limited operation and QRP ONLY but Oscar 10 is back.

The person that has been getting no credit for this wonderful newsletter and has put in her share of time is my YF Karen. Karen faithfully goes over each Crosstalk finding the typos and good examples of bad English that I manage to type into this rag. So just for the record - THANK YOU KAREN!!!!

## New Members - - Old Members

License expirations coming up in the next few months are:

W6ODI, Bob Lacey, July

Bob Wartburg, K0LL0, added in his note looking for persons operating Packet using an Apple Computer that he has recently upgraded to Extra! Congratulations Bob!!

Welcome to the Club:

Leonard Jensen, K6LAT, licensed for 46! years and holding a General ticket. Leonard can be heard on the repeater from time to time usually working out lunch arrangements. John Waayers, K6MAU, licensed for 30 years and holding an Advanced ticket. John has been laid up with a back injury and can be heard on the repeater while he drives to and from his physical therapist.

Ron Yaw, KD6OD, licensed for 6 years and holding an Advanced ticket. Ron is an associate member and is interested in UHF.

Rick Fleeter, WA8VGK, licensed for 21 years and holder of an Advanced license. Rick is into Packet and OSCAR and has published a paper entitled "Propulsion System for a Get-Away-Special Launched Satellite - PACSAT."

Welcome to you all and hope to see you at a meeting!

Bill Dews informs me that badges have been ordered for Jack, K6JUT and Ron Yaw, KD6OD and should be in by the next Club meeting.

## Executive Board Meeting 8 July 1986

Paul Lukas, N6DMV

President Chris Wachs opened the meeting and announced that the Club will need to find a new Field Day Chairman and an Emergency Communications Coordinator as Dale Jensen is leaving TRW and already has commitments for the Field Day weekend next year. A Japanese Ham satellite, JAS-1, is to be launched the end of July or beginning of August. Chris will attempt to have the launch on the repeater as it will be carried on HF direct from Japan. The OSCAR 10 failure is still being worked and there is a good chance for restoration of limited service. Vice President Scott Gilmartin announced that the next speaker will be ARRL Los Angeles Section Manager Bob Poole, AJ6F. Scott also said that he would have Dale Jensen as speaker for the August meeting and that he was working out arrangements for Dick LaBelle, W6FXN at a future meeting. The minutes of the last Executive Board Meeting were approved as printed in the Crosstalk. Discussion of the budget followed. A few different possible solutions were worked out by Treasurer Dave Stockwell beforehand and Plan B with the following changes by Paul Herbert was accepted: 1) Eliminate income item I-10 and any income would be incorporated in income item I-7; 2) payment for the "Porta-Potty" (past and present) will be taken out of expense item E-7 and put into expense item E-10 which will be renamed "Swapmeet Expenses." The proposal was unanimously accepted by the board members present. Jim Wike reported that he collected \$6.60 in donations at the last picnic. Next picnic - July 14th. An antenna party is planned for Saturday July 12 at 0900 by Bob Hume. Bill Dews reported that the Club now has 209 members. Mel Erb sent a message that he has started receiving QSL cards from the VHF Contest. Frank Cartier gave an account of the last Swapmeet. About 3/4ths of the regular attendees showed up - apparently the word did not get to everyone that the Swapmeet was moved up one week. "Porta-Potty" donations were collected again and were adequate to cover the costs of the unit. An auction is planned for the July Swapmeet: bring your equipment and auction it off! Frank reported on the VHF contest results from the Mt. Gleason site - over 48,000 points were rolled up - final results will follow later. \$50 was voted for the purchase of communications equipment for the auction. John Keller received the Field Day pictures from Dale Jensen and will print them in the next Crosstalk. Dale also promised to write an article detailing Field Day operations. The meeting was adjourned at 1908 local time.

## Repeater News

Jim Cox, K7JAJ

Because of the number of new users of the W6TRW two meter repeater (and some of the old users whose memories are fading fast) some information on repeater history and operation is in order.

First of all, several years ago the 145.32 MHz frequency was occupied by the W6NWP repeater (operated by the Garrett AirResearch club) and the WD6APP repeater in San Diego (originally at Point Loma). The frequency coordination by the Two Meter Spectrum Management Association (TASMA) was worked out through several meetings between representatives of the two repeaters. One of the areas of initial concern was the possibility of interference caused by some stations getting into both repeaters at the same time. This was addressed by Charlie, W6NWP when he provided a "PL Decoder" or Anti-PL circuit for use by the San Diego group, then instructed the users of the Torrance machine to use the 2A-PL.

According to the archives, it was some considerable time after that, that a group from the TRW Amateur Radio Club appeared at a TASMA meeting to ask for an available channel upon which to install a two meter repeater. When the TASMA secretary informed K6HPD and his delegation that there were no more frequencies available in the area for two meter repeaters, Charlie and the Garrett group who were in attendance, offered to share their coordinated frequency with the TRW Club. A new repeater was purchased for the TRW Club and it was chosen to be as much as possible like the machine already in use in Torrance. Initially the two repeaters were nearly identical, even to the duplexer and antenna types.

Over the past several years, changes have been made to both machines which have lessened the external similarities. The TRW machine has had several antenna changes, and because of interference from a co-located land mobile transmitter, has had a cavity notch filter added to the receiver, then a preamp added to compensate for the filter insertion loss. Because of design improvements in DTMF decoder circuits, both repeaters have had their DTMF decoder circuits (used for control) replaced. Control tone muting has been added to both machines, and a courtesy reset tone has been added to the TRW machine. The W6TRW repeater, while connected to an emergency AC stand-by generator for some time, has recently received a back-up battery to complete the emergency power capability. Some improvements are "in the works" for both repeaters in the future, not including the input ignition noise filter offered by one disgruntled user.

For several years now, and in spite of occasional serious "ducting" problems caused by thermal inversion, and some equipment malfunctions at each of the three repeaters, for the most part all have continued to operate smoothly, with true harmony and a spirit of cooperation between the three clubs involved.

####

## The Joy of Being the Newsletter Editor

OR Getting Out This Newsletter is No Picnic

If we print jokes or cartoons, people say we are silly.

If we don't, they complain that we are too serious.

If we print material from other sources, we are too lazy to write it ourselves.

If we don't publish contributions, then we don't appreciate true genius.

If we do print them, the bulletin is full of junk.

If we make a change in the other person's writing, then we are too critical.

If we don't, then we are asleep.

If we are not sure whether or not people are reading the bulletin, all we need to do is make a mistake; then we get many calls from avid readers.

Now, likely as not, someone will say we swiped this from another publication. WE SURE DID!

Thanks!! to the South Bay ARC, ARC-OVER

In health class a teacher asked a six year old what he did to protect his teeth. "I watch out for kids pushing at the drinking fountain," he replied.

####

## From the Library

George Lee, W6IU

What's new in the July issues of:

QST - Adventures in Satellite DXing (Tracking Info)  
- A UHF/HF Remote Base Station (want a remote of your own?)  
- ALC for a Class AB Amplifier (for max efficiency)  
- Product review of Spider HF Mobile Antenna

HR - A VHF Noise Bridge (+3 ohms @ 146 MHz)

VHF/- Low noise phase locked UHF VCO, Part 1 (Noise UHF Problems)

Issue 6 Meter KW Amplifier (GG 3CX1000A7 or 8877)

- A Broadband Amp-Attenuator (Step Attenuator with Broadband Amplifier)  
- Extending Receiver Coverage for IC-02 & -04 (140-163 MHz and 440-465 MHz)  
- A Tone Burst Generator for European Repeater (Anyone going to Europe?)

CQ - Building ideas for a Consolidated Control Console.  
- Packet Radio - How to work it (Part II)  
- 2400 Baud Rate Packet & BER (Twice as fast is coming)

73 - Review of Kenwood TH31AT (220 MHz FM HT)

- Review of Heathkit HD-3030 Interface (RTTY/CW)  
- A RTTY Scope  
- How to build a great Ham Club  
- The Piggy-Bank Patch  
- The USE Radio Direction Finder

Note from Tucson PSR Quarterly (p15, April 86) For Packet operation, according to N7CL, for optimal performance of the 2211 demod circuit, changing the 510K resistor in U19 on a TNC-2 to 750K should open the tuning range from approx 10 Hz to 50 Hz making tuning less critical.

Icom Newsletter for June 86 has a review of the IC-28A (138-174 MHz and the ICAH-2 Antenna Tuner. Trio/Kenwood Newsletter has the final part of their review of the TS-440S and subscribers comment on the same.

####

It is a mark of intelligence, no matter what you are doing, to have a good time doing it.

####

## W6TRW Antenna Raising Party

Bob Hume, KG6B

Thanks to the efforts of:

George Lee, W6IOW  
Paul Herbert, KG6CR  
Barry Allen, WA4TTG  
Frank Cartier, WA6RAY  
and Bob Hume, KG6B

the KT34XA antenna was installed on the top of the new Rohn tower on the roof of Bldg 65. After a good deal of discussion the original plan of putting it up in two pieces was abandoned and the antenna was lifted up in one piece sideways. Another working party is scheduled for the near future to install the coax feed line and the rotor cable. If you would like to help please call B Hume at 217-3624 (work).

We all find time to do what we really want to do.

William Feather



## From the President

Chris Wachs, WA2KDL

It's hard to believe that half the year has gone by. It sure went quickly. The Club has been involved in two VHF contests, Field Day, six Swapmeets, six Club meetings, five lunchtime picnics and the installation of a new repeater and antennas at the Club shack site on Building 65. The first half of 1986 has been packed. What still lies ahead in 1986 is the completion of the antenna installation at the shack and, of course, six more Swapmeets and the Annual Dinner planned for the middle of November. If some of these events are new to you, then turn over the Crosstalk and read the back page. The names listed there are not just to give John Keller something to put on the back of Crosstalk. They are there for the members to help get involved in many of the activities of the Club. If you see an officer or staff member whose job sounds interesting or you would like to offer your help in that area or you want to find out more about what they do, CALL THEM! ASK WHAT IS NEW AND IF THERE IS ANYTHING YOU CAN DO TO GET MORE INVOLVED IN THE CLUB!!! If you still don't know who to call first, the Swapmeet Manager, Frank Cartier, need help every month! Now, to bring you all up to date. This could be an interesting month before it's over. There is the ongoing progress with the OSCAR 10 satellite. Specific failure zones within the radiation damaged memory have been diagnosed. It is hoped that with this knowledge a new operating software system can be executed and spacecraft operation can be resumed. JAS-1 launch is on schedule. The current JAS-1 launch schedule is 3 Aug 86 at 1:30 pm PDT. Launch coverage may be on the W6TRW repeater and will definitely be on 14.282, 14.295 and 7.185 MHz. Other news can be obtained from the Packet BBS NK6K-2 on 145.36 MHz simplex. JAS-1 is the latest Japanese amateur satellite. For a picture see the cover of the July 1986 QST. Information will also be on the Club dial-in BBS. See the back page of the Crosstalk for the number.

I, hope to see you all at the Club picnics and meetings. 73's Chris.

## Computerese

BIT: A word used to describe computers, like; Our computer cost us quite a bit.

BUG: What your eyes do after you stare at the tiny green screen all night.

CURSOR: What you turn into when you can't get your computer to perform, as in "I@#\$\$\*&! computer."

HARDWARE: Tools such as lawnmowers, rakes and other heavy equipment you haven't laid a finger on since getting your computer.

MENU: What you never see again after buying a computer because you can't afford to eat out.

WINDOW: What you heave the computer out of after you accidentally erase a program that took you three days to get running.

## Happiness Is.....

Finding an unoccupied frequency on the 40 meter band.  
Hearing a CQ when you didn't even know the rig was on.  
Having Net Control call you first on the list.  
Finding a CW operator who does not send code faster than you do.

Not hearing a half-dozen OM's answering a YL with a sexy voice who is calling "QRZ the frequency."

Having the YL offer to bring your lunch to the ham shack when the band is open.

Spotting a moving van in front of the home of the TVI complainant next door.

Winning the 50/50 prize at the club for the first time since you joined.

Noting the price of belonging to the ARRL has increased again when you have a life membership.

Having two neighbor gals (in their 20's) sun bathing on the day you planned to work on your beam, trim the bushes, cut the grass, wash the car, fix the back fence.

Passing your first traffic on the CW Slow Speed Net on 3680.

Realizing that you are talking to Europe and you'd forgotten to turn your linear on.

Having a pile-up on frequency - who are all answering your CQ.

Getting to the line in this column that reads.....

Thanks, the W6SD Carrier

## Wanted -- For Sale -- Freebies

Anybody that has used an Apple computer for working Packet Radio. Please call Bob Wartburg, K0LLO, at Norton AFB. From TRW phones that's 173-6891.

## Membership in the TRW/ARC

Bill Dews, K6AWO

As the Club Membership Chairman, I've tried to get Swapmeet attendees to join our Club. Only a few did make the effort (about 10%). Now I'm trying to enlist the users of the Club two meter repeater (145.32 MHz, -.600, 2A-PL) to join. I have mailed a Club application plus our great Club newsletter Crosstalk to some of those who I have heard on the repeater. Of course the dues is now half price because we are half way through the year. The Amateur call that I have picked up and mailed the info to are K6LAT, K6MAU, K6RQT, K6MZS, N6GBK and K6SKL. Some of these have already joined. Please note calls on the repeater and send them along to me (address of the back of Crosstalk) so that I may sent an invitation to join our radio club. I wish to get Crosstalk into as many hands as possible so that any information we print will get out to as many hams as possible.

You probably wouldn't worry about what people think of you if you knew how seldom they did.

## ARRL 1986 NATIONAL CONVENTION September 5, 6, & 7, 1986 REGISTRATION DATA FORM (Print or Type)

Name \_\_\_\_\_ Call \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Make Badges As Follows:

Call \_\_\_\_\_ Name \_\_\_\_\_ City \_\_\_\_\_  
Call \_\_\_\_\_ Name \_\_\_\_\_ City \_\_\_\_\_

Pick up Tickets and Badges at the Door.

To Reserve a Room at the Convention Site, Call  
T & C Hotel and ask for ARRL rates. Toll Free:  
California (800) 542-6082, USA (800) 854-2608  
CONVENTION INFO: (619) 292-7918

## MEETING SITE TOWN & COUNTRY CONVENTION CENTER SAN DIEGO, CALIFORNIA

How Many	Cost	Amount
_____ Advance Registrations	@ 7.00	_____
_____ Registration After 8/15/86	@ 10.00	_____
_____ Banquet (Prime Rib)	@ 25.00	_____
_____ Ladies Lunch (1st 100)	@ 10.00	_____
_____ Dinner Cruise (1st 100)	@ 33.00	_____
Total Enclosed		\$ _____

18 Years & Under No Charge For Admission At Door

Postmark Before April 15, 1986 is Eligible For  
ALL PRIZES!!!!!! Mail With Check Payable To:  
SANDARC, P.O. Box 82642, San Diego, CA 92138